Approved for use through 3/31/2007. OMB 0651-0021
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL LETTER TO THE UNITED STATES		ATTORNEY'S DOCKET NUMBER INA-44				
DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		U.S. APPLICATION NO. (If known, see 37 CFR 1.5)				
INTERNATIONAL APPLICATION NO.	INTERNATIONAL FILING DATE	PRIORITY DATE CLAIMED				
PCT/DE2004/002654   3 DEC 2004 (03.12.2004) 16 DEC 2003 (16.12.2003)  TITLE OF INVENTION						
SEAL WITH NON-CONTACT ADJACENT DEFLECTOR RINGS						
APPLICANT(S) FOR DO/EO/US Erwin HARTMANN et al.						
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:						
This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.						
2. This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.						
This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.						
4. The US has been elected (Article 31).	4. The US has been elected (Article 31).					
5. A copy of the International Application	on as filed (35 U.S.C. 371(c)(2))					
a. 🗾 is attached hereto (require	d only if not communicated by the Internation	al Bureau).				
b. has been communicated by the International Bureau.						
c. is not required, as the application was filed in the United States Receiving Office (RO/US).						
An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).						
<del></del>	a. is attached hereto.					
	b. has been previously submitted under 35 U.S.C. 154(d)(4).					
7. Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))						
<u> </u>	a. — are attached hereto (required only if not communicated by the International Bureau).					
	b. have been communicated by the International Bureau.					
<del></del> 1	c. have not been made; however, the time limit for making such amendments has NOT expired.					
	d. Light have not been made and will not be made.					
r—1	An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).					
	An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).					
10. An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).						
Items 11 to 20 below concern document(s) or information included:						
11. An Information Disclosure Statemen	An Information Disclosure Statement under 37 CFR 1.97 and 1.98.					
	An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.					
13. A preliminary amendment.	<b>i</b>					
14. An Application Data Sheet under 37	An Application Data Sheet under 37 CFR 1.76.					
15. A substitute specification.						
·	A power of attorney and/or change of address letter.					
[]	A computer-readable form of the sequence listing in accordance with PCT Rule 13 <i>ter</i> .2 and 37 CFR 1.821- 1.825.					
	A second copy of the published International Application under 35 U.S.C. 154(d)(4).					
19. A second copy of the English langua	ge translation of the international application	under 35 U.S.C. 154(d)(4).				

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**Page 1 of 3

PTC-1390 (Rev. 07-2005)
Approved for use through 3/31/2007. OMB 0651-0021
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

20. Other items or information: International Search Report  The following fees have been submitted 21. ☑ Basic national fee (37 CFR 1.492(a))	DNLY
21.  Basic national fee (37 CFR 1.492(a))	ONLY
22. Examination fee (37 CFR 1.492(c))  If the written opinion prepared by ISA/US or the international preliminary examination report prepared \$ 200.00	w
If the written opinion prepared by ISA/US or the international preliminary examination report prepared \$ 200.00	
by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)\$0 All other situations	
23. Search fee (37 CFR 1.492(b))  If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)	
TOTAL OF 21, 22 and 23 = 900.00	
Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)).  The fee is \$250 for each additional 50 sheets of paper or fraction thereof.	
Total Sheets Extra Sheets Number of each additional 50 or fraction thereof (round <b>up</b> to a whole number)	
- 100 =   /50 =   x \$250   \$	
Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).	
CLAIMS NUMBER FILED NUMBER EXTRA RATE \$	
Total claims 24 - 20 = 4 x \$ 50 \$ 200.00	<del></del>
Independent claims - 3 = x \$200 \$	
MULTIPLE DEPENDENT CLAIM(S) (if applicable) + \$360 \$	
TOTAL OF ABOVE CALCULATIONS = \$	
Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.	
SUBTOTAL = \$ 1100.00	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).	
TOTAL NATIONAL FEE = \$	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +	
TOTAL FEES ENCLOSED = \$ 1100.00	
Amount to be refunded:	
Amount to be charged \$	

	Under the Paperwork Reduction Act of 1995, no persor		PTO-1390 (Rev. 07-200: Approved for use through 3/31/2007. OMB 0651-002 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERC o a collection of information unless it displays a valid OMB control numbe	
a.	Please charge my Deposit Account No. A duplicate copy of this sheet is enclosed.  The Commissioner is hereby authorized to charge Account No. 02-2275. A duplicate copy of this Fees are to be charged to a credit card. WARNING be included on this form. Provide credit card info	athorized to charge any additional fees which may be required, or credit any overpayment to Deposit uplicate copy of this sheet is enclosed.  dit card. <b>WARNING:</b> Information on this form may become public. <b>Credit card information should not</b> vide credit card information and authorization on PTO-2038.		
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a pand granted to restore the International Application to pending status.  SEND ALL CORRESPONDENCE TO:  Customer No. 20311  Donald C. Lucas  Lucas & Mercanti, LLP  475 Park Avenue South, 15th Floor  New York, NY 10016  Tel: 212-661-8000		SIGNATURE Donald C. Lucas  NAME 31,275  REGISTRATION NUMBER		